

CLAIMS

1. A timepiece equipped with an analog device for displaying two different time zones, and which
5 comprises three distinct display units (1, 2, 3) each comprising an indicator member (7, 8, 9) and a time division (4, 5, 6), drive members (13-24; 30-33, 38, 40) for establishing a link between said indicator members (7, 9) and the minutes geartrain (12) of the
10 timepiece, two (2, 3) of said display units comprising only indicator members and divisions (5, 7, 6, 9) for indicating the hours of two respective time zones, one corresponding to the local time and the other to a determined time zone and the third (1) of said units
15 comprising only an indicator member and a division (4, 8) for indicating the minutes corresponding to each of the two time zones and which timepiece also comprises control means (41) for modifying the time difference between said unit (2) for indicating the local time and
20 the one (3) for indicating said determined time zone.

2. The timepiece as claimed in claim 1, in which each of said display units (1, 2, 3) comprises a dial (4, 5, 6) associated with a hand (8, 7, 9), the axes of
25 rotation of the three hands being aligned with the axis of rotation of the minutes hand (8) situated between the axes of rotation of the hours hands (7, 9), the respective edges of the two dials of the units for displaying the two time zones (5,6) extending within
30 the dial (4) of the unit (1) for displaying the minutes.

3. The timepiece as claimed in one of the preceding claims, in which timepiece said drive members (13-24; 30-33, 35, 40) for establishing a link (7, 9) between
35 said indicator members (7, 9) and the minutes geartrain (12) comprise a step-by-step drive mechanism (23-25; 33, 38, 46) for driving said indicator members, said control means (41) for modifying the time difference

being designed to act directly on a step-by-step drive runner (33) bearing the indicator member (9) for indicating said determined time zone.

5 4. The timepiece as claimed in claim 3, in which a desmodromic link (21c, 30, 32c) connects said step-by-step drive mechanisms (13-21, 30, 32) of said means (7, 9) for indicating the hours together.

10 5. The timepiece as claimed in claim 4, in which timepiece each of said step-by-step drive mechanisms (13-21, 30, 32) comprises a lever (21, 32) for the step-by-step drive of said indicator members (7, 9) for
15 connected to one another by a desmodromic connecting member (30) subjected to elastic return means (31) and in which a drive member (20) actuated by the minutes geartrain (12) is designed to periodically move said
20 levers (21, 32) against the force of said elastic return means (31) and to release them to the force of these elastic return means in order to drive said hour indicating means (7,9) by one step.

25 6. The timepiece as claimed in claim 5, in which timepiece said drive member (20) actuated by said minutes geartrain (12) is a toothed sector secured to a runner (19) connected to the minutes geartrain (12) to make one revolution in one hour and which is intended in each revolution to engage with a toothed member
30 (21a) kinematically secured to said drive levers (21, 32).

35 7. The timepiece as claimed in one of the preceding claims, in which timepiece a one-way connection (15, 16) connects said minutes geartrain (12) with the drive mechanisms (13-21, 30, 32) that drive the two units (2, 3) displaying the two time zones.

8. The timepiece as claimed in one of the preceding claims, in which timepiece said means (5, 7, 6, 9) for indicating the hours in two time zones indicate the hours in cycles of 12 hours and are each connected to
5 an indicator (29, 36) of the hours in the day and in the night.